



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

HMIS

SEVERE
SERIOUS
MODERATE
SLIGHT
MINIMAL

4
3
2
1
0

NFPA

EXTREME
HIGH
MODERATE
SLIGHT
INSIGNIFICANT

NFPA SYMBOL

	0	FIRE
TOXICITY	1	0
SPECIAL		REACTIVITY

Product: MARC 70-F FOAMING DRAIN LINE ROOT CONTROL

Section I - GENERAL INFORMATION

Company	Mid-American Research Chemical Corp.	Telephone No. (402)564-7104	Fax No. (402)563-1290
Address	P O Box 927 Columbus NE 68602-0927	Date 03/03/06	Formula Trade Secret

InfoTrac 24 Hour Emergency No. 1-800-535-5053

Section II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS Number	Exposure TLV (Units)	%(Optional)
Copper Sulfate Pentahydrate	7758-99-8	1 mg/m ³ (as dust)	19.8
Sodium amidopropyl betaine	61789-89-7	10 mg/m ³	

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	212	Specific Gravity (H ₂ O=1)	1.16
Vapor Pressure (mm Hg)	N/D	Melting Point (° F.)	N/A
Vapor Density (Air=1)	N/D	Evaporation Rate (Butyl Acetate=1)	<1

Solubility in Water

Complete

Appearance and Odor

Clear blue essentially odorless liquid.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

None

Extinguishing Media

None

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

None

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)

Section V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	
Incompatibility (Materials to Avoid)		Steel, hydroxylamine, magnesium, powdered metals	
Hazardous Decomposition or Combustion By-Products		Carbon and sulfur oxides.	
Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation <input type="checkbox"/>	Eyes & Skin X	Ingestion X
Health Hazards (Acute & Chronic) Skin burns and irreversible eye damage; may cause skin sensitization. Harmful if absorbed through skin.			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure Eye and skin burns			
Medical Conditions Generally Aggravated by Exposure Wilson's disease			
Emergency and First Aid Procedures Eyes: Immediately flush with water for 15 minutes and get medical attention. Skin: Immediately flush with water for 15 minutes and get medical attention. Internal: Call physician immediately. Sip water and do not induce vomiting. Inhalation: Get fresh air. Probable mucosal damage may contraindicate the use of gastric lavage.			

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled Flush area with water. Soak up on absorbent material.	
Waste Disposal Method Flush away with water.	
Precautions to be Taken in Handling and Storing DO NOT TAKE INTERNALLY.	
Other Precautions KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!	

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)	
Ventilation	Local Exhaust <input type="checkbox"/> Mechanical (General) <input type="checkbox"/>
Other	Do not inhale mist.
Protective Gloves	Rubber
Eye Protection	Goggles or face shield
Other Protective Clothing or Equipment As required to prevent contact.	
Work/Hygienic Practices	

While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.